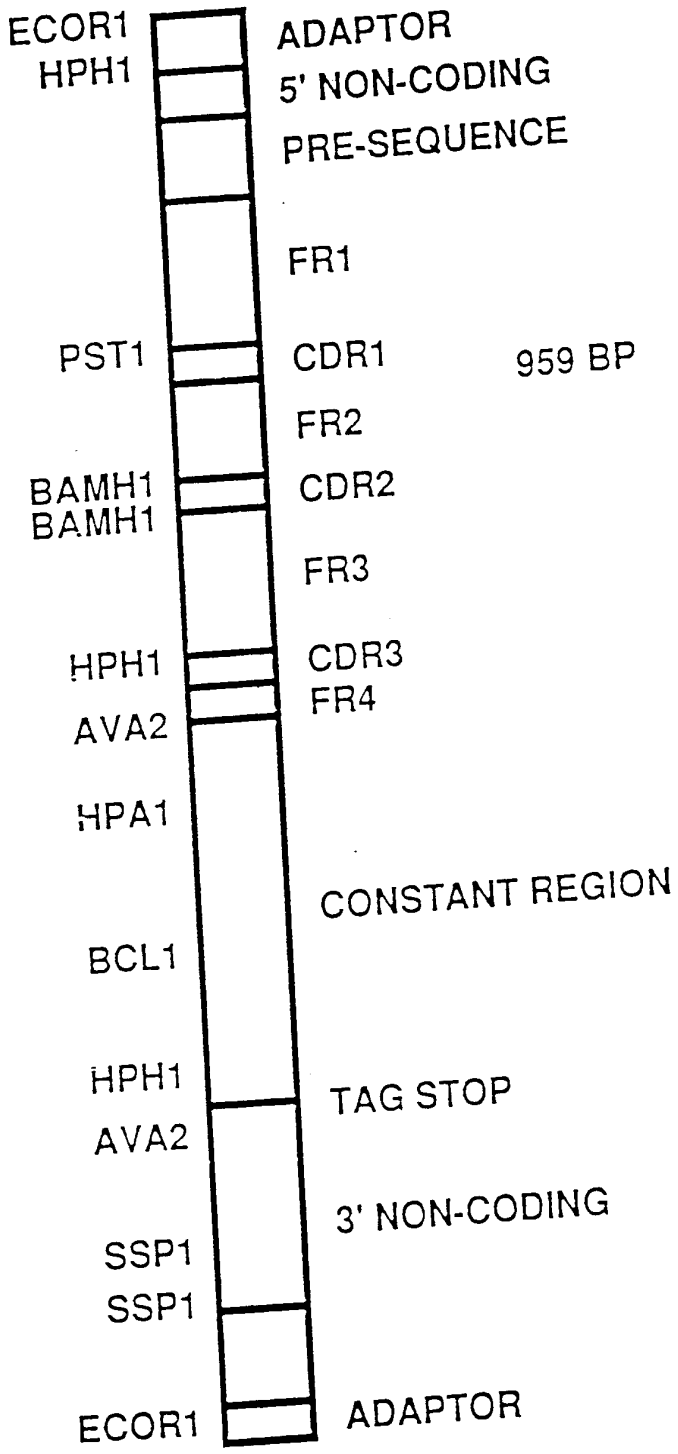

ECOR1
HPH1
ADAPTOR
5' NON-CODING
PRE-SEQUENCE
FR1
PST1
CDR1
959 BP
FR2
BAMH1
BAMH1
CDR2
FR3
HPH1
CDR3
FR4
AVA2
HPA1
CONSTANT REGION
BCL1
HPH1
TAG STOP
AVA2
3' NON-CODING
SSP1
SSP1
ECOR1
ADAPTOR

FIGURE 1A

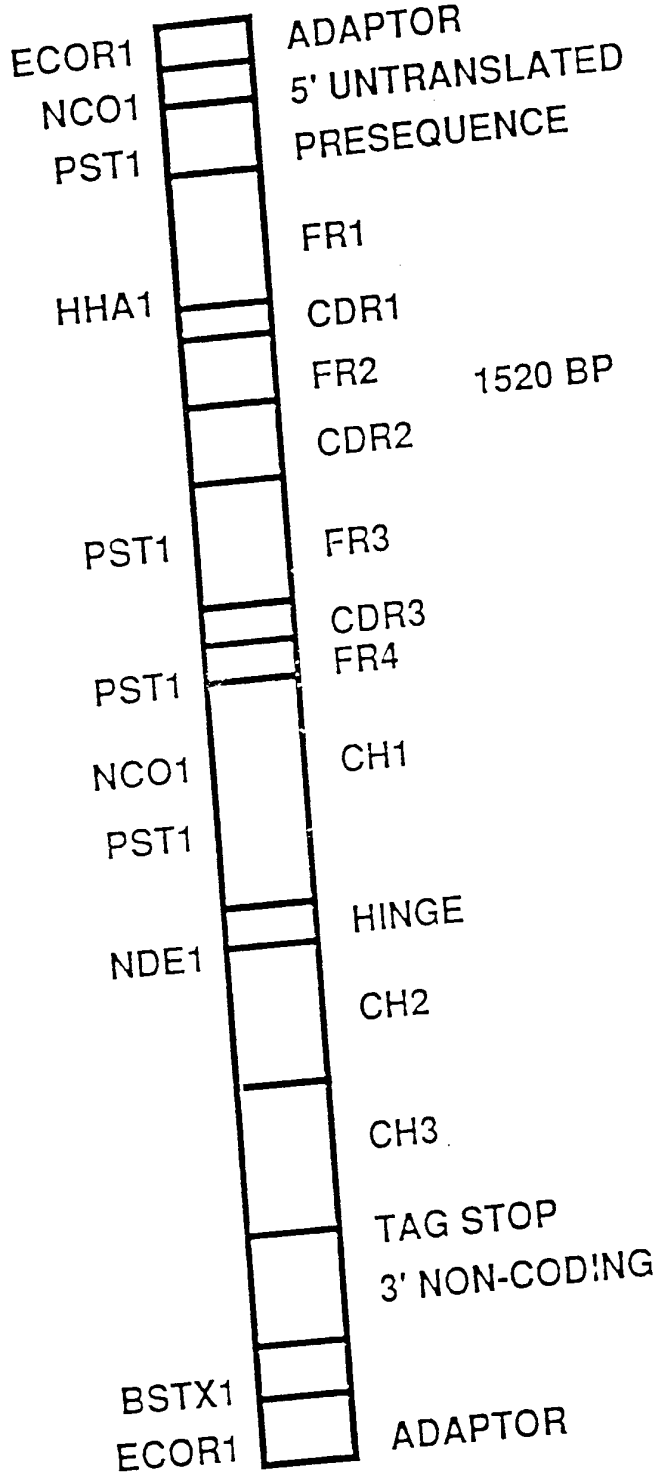

ECOR1
NCO1
PST1
HHA1
PST1
PST1
NCO1
PST1
NDE1
BSTX1
ECOR1
ADAPTOR
5' UNTRANSLATED
PRESEQUENCE
FR1
CDR1
FR2
1520 BP
CDR2
FR3
CDR3
FR4
CH1
HINGE
CH2
CH3
TAG STOP
3' NON-CODING
ADAPTOR

FIGURE 1B

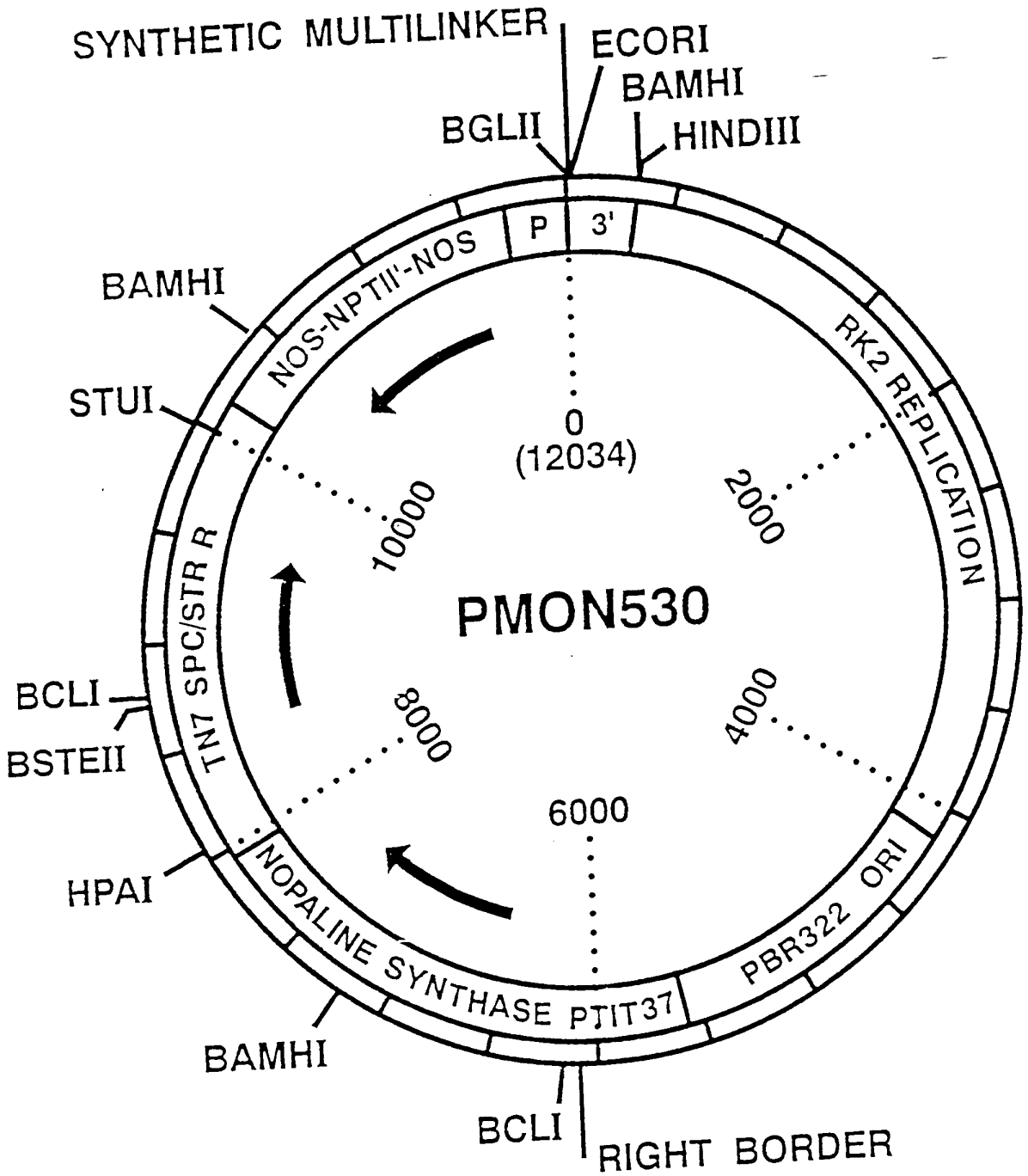
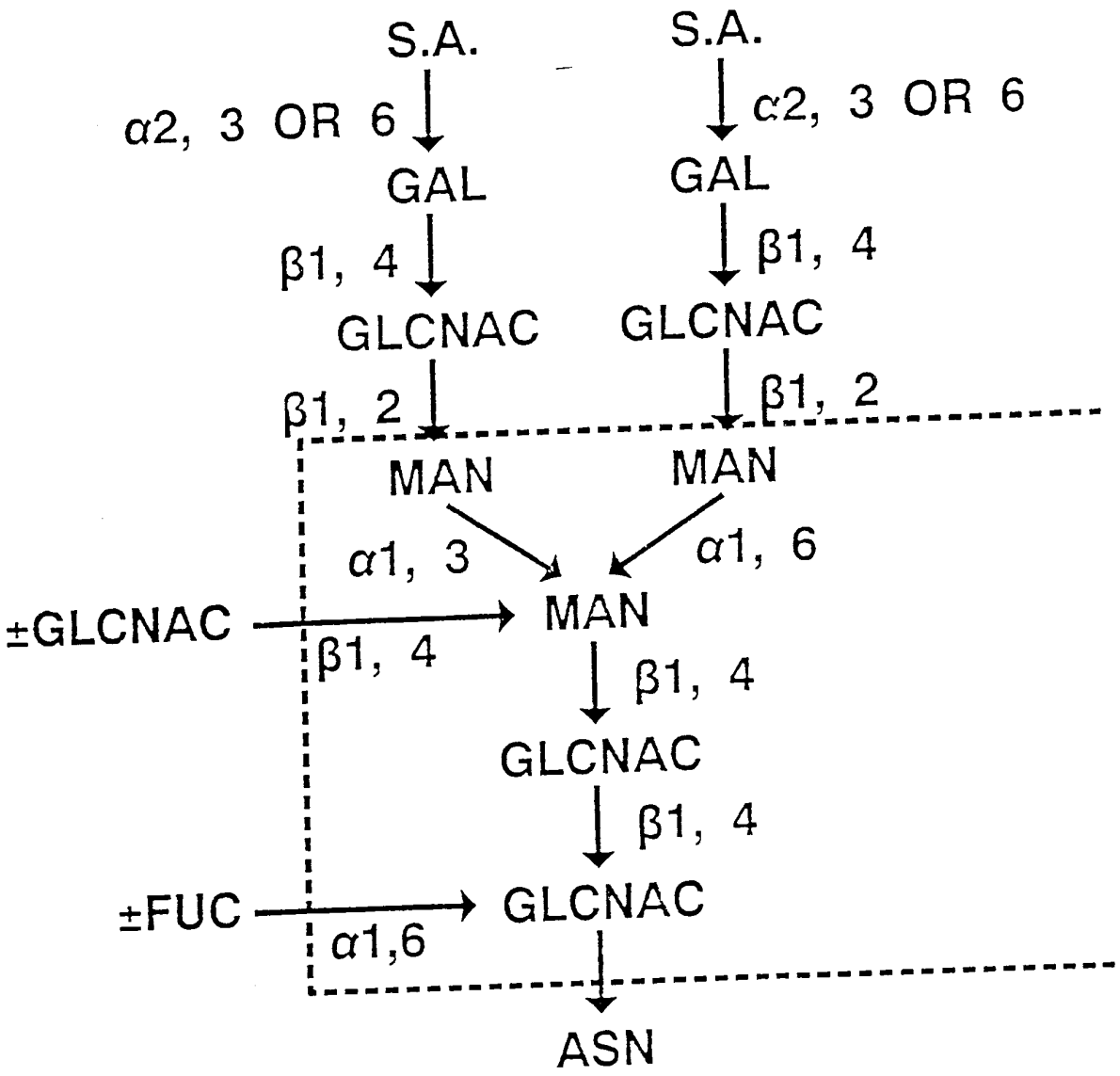
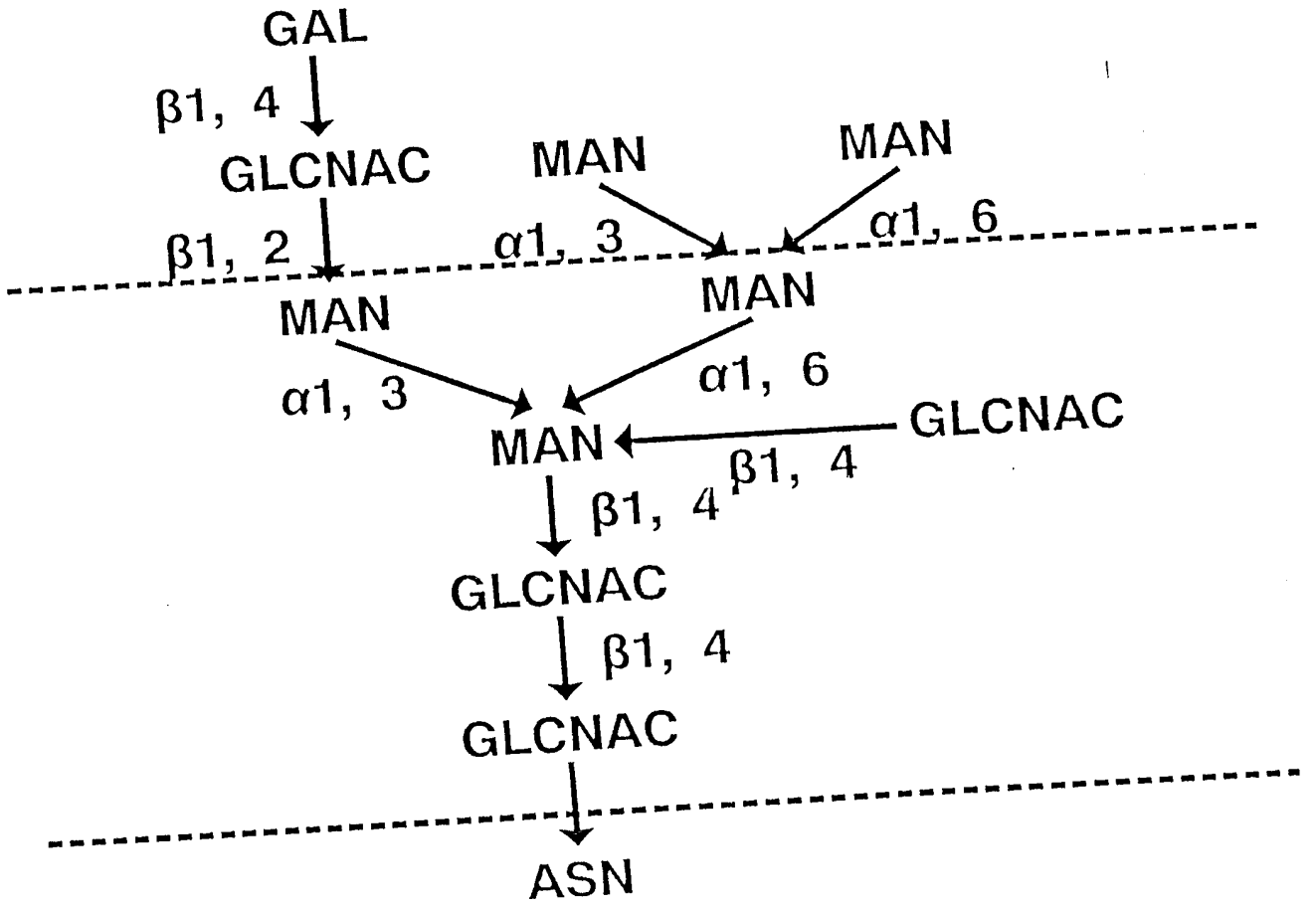

SYNTHETIC MULTILINKER
ECORI
BAMHI
HINDIII
BGLII
P
3'
NOS-NPTII'-NOS
BAMHI
STUI
RK2 REPLICATION
0
(12034)
2000
10000
PMON530
4000
8000
6000
TN7 SPC/STR R
BCLI
BSTEII
HPAI
NOPALINE SYNTHASE PTIT37
PBR322 ORI
BAMHI
BCLI
RIGHT BORDER

FIGURE 2



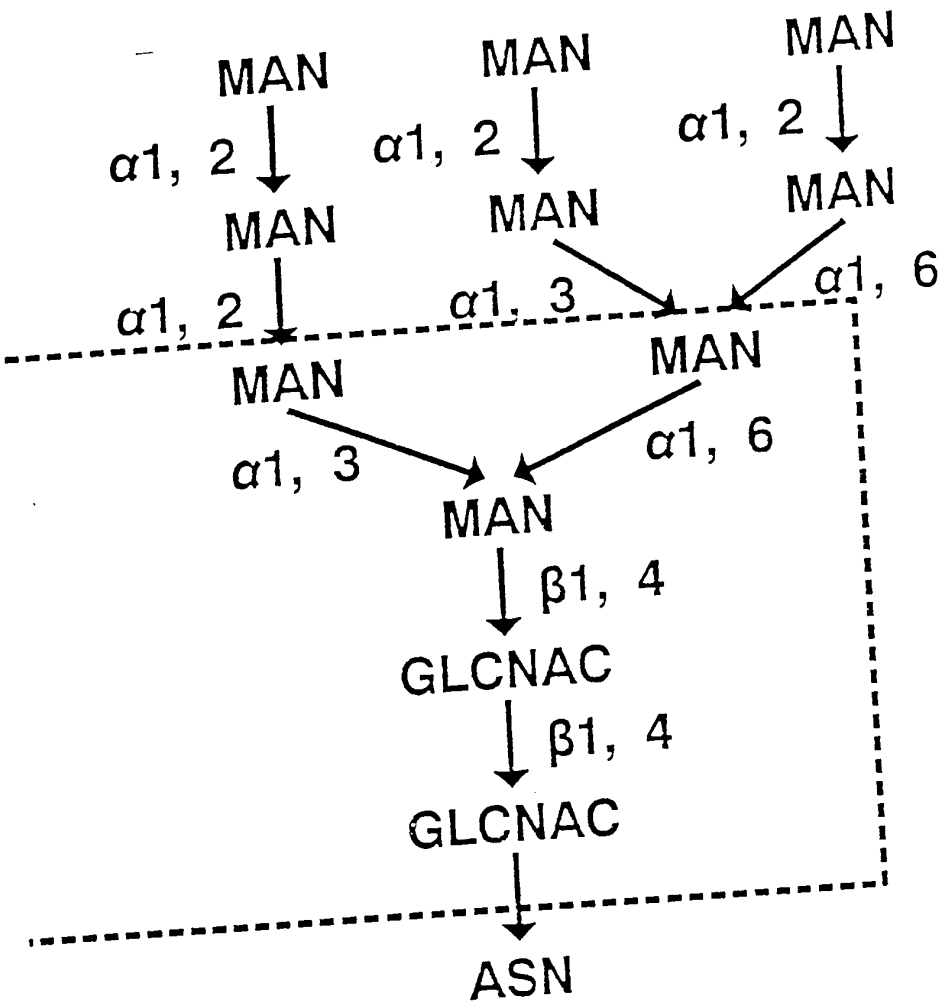
COMPLEX

FIGURE 3A



HYBRID

FIGURE 3B



HIGH MANNOSE

FIGURE 3C

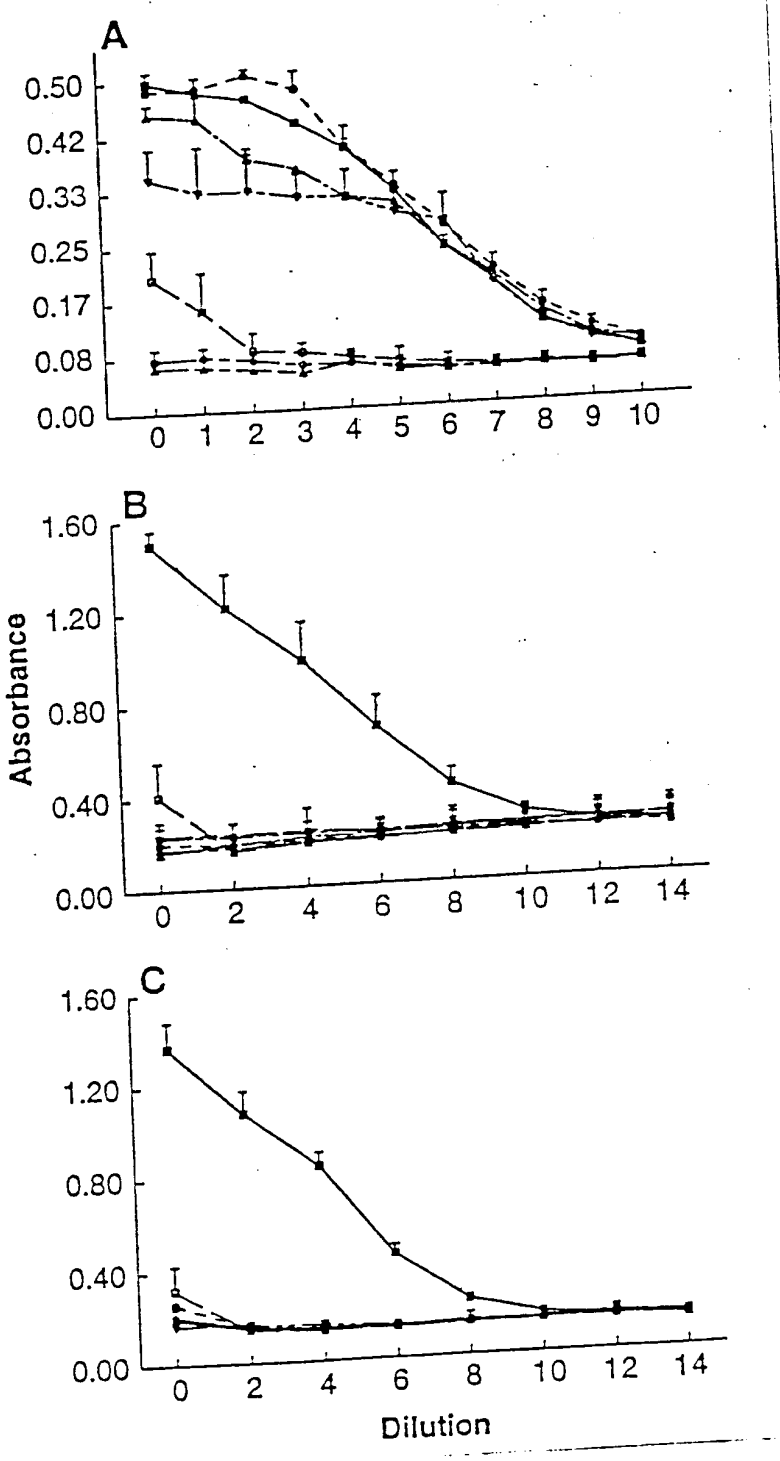
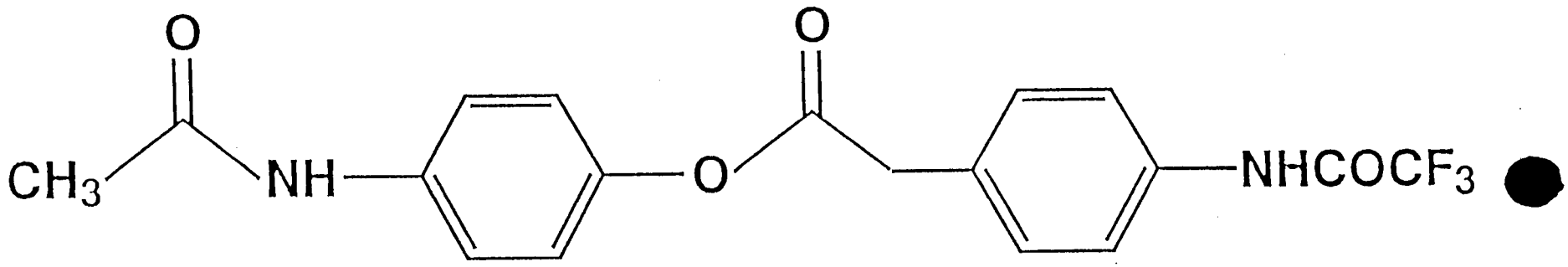
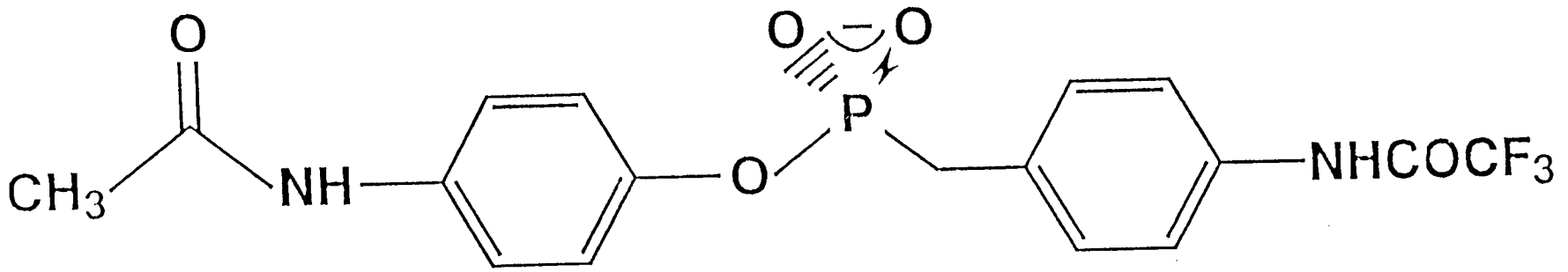

A
0.50
0.42
0.33
0.25
0.17
0.08
0.00
0 1 2 3 4 5 6 7 8 9 10
B
1.60
1.20
0.80
0.40
0.00
Absorbance
0 2 4 6 8 10 12 14
C
1.60
1.20
0.80
0.40
0.00
0 2 4 6 8 10 12 14
Dilution

FIGURE 4



1



2

FIGURE 5